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**SECURITIES AND EXCHANGE COMMISSION**

WASHINGTON, D.C. 20549

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**FORM 8-K**

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**CURRENT REPORT**

**Pursuant to Section 13 or 15(d) of  
the Securities Act of 1934**

**Date of Report (Date of earliest event reported): May 13, 2004**

**Commission File Number 0-50626**

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**XCYTE THERAPIES, INC.**

(Exact name of registrant as specified in its charter)

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**Delaware**  
(State or other jurisdiction of  
incorporation or organization)

**91-1707622**  
(I.R.S. Employer  
Identification Number)

**1124 Columbia Street, Suite 130**  
**Seattle, Washington 98104**  
(Address of principal executive offices and zip code)

**(206) 262-6200**  
(Registrant's telephone number, including area code)

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**Item 7. Financial Statements and Exhibits**

(c) Exhibits

99.1 Press Release of Xcyte Therapies, Inc. dated May 13, 2004.

**Item 12. Results of Operations and Financial Condition**

On May 13, 2004, Xcyte Therapies, Inc. issued a press release announcing financial results for its first quarter ended March 31, 2004. A copy of the press release is furnished herewith as Exhibit 99.1 and incorporated into this Form 8-K by reference.

The information in this Form 8-K, including the attached Exhibit, shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, nor shall it be deemed incorporated by reference into any filing under the Securities Act of 1933, except as shall be expressly set forth by specific reference in such filing.

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

XCYTE THERAPIES, INC.

By: /s/ Kathi L. Cordova

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Kathi L. Cordova  
*Duly Authorized Officer of Registrant and Principal  
Financial Officer  
Senior Vice President of Finance and  
Treasurer*

Date: May 13, 2004

INDEX TO EXHIBITS

Exhibit Number

Description of Document

99.1 Press Release of Xcyte Therapies, Inc. dated May 13, 2004.

Contact: Robert L. Kirkman, M.D.  
Chief Business Officer and Vice President  
Xcyte Therapies, Inc.  
(206)-262-6219

**XCYTE THERAPIES, INC. ANNOUNCES FIRST QUARTER 2004 FINANCIAL RESULTS**

**Seattle, WA-May 13, 2004** - Xcyte Therapies, Inc. (Nasdaq: XCYT) reported today a net loss applicable to common stockholders of \$27.3 million, or \$7.98 per basic and diluted share, for the three months ended March 31, 2004, compared with a net loss of \$3.8 million, or \$2.60 per basic and diluted share, for the three months ended March 31, 2003.

Xcyte Therapies completed its initial public offering on March 19, 2004. The loss per basic and diluted share for the first quarter of 2004 is based upon a weighted average of the number of common shares outstanding for the quarter of 3.4 million shares. As of March 31, 2004, there were 14.8 million shares of common stock outstanding, as compared to 1.5 million shares of common stock as of March 31, 2003.

Revenue for the first quarter of 2003 was approximately \$12,000, compared with approximately \$13,000 for the year earlier quarter. Research and development expenses were \$4.2 million and \$2.7 million for the first quarters of 2004 and 2003, respectively. General and administrative expenses were \$1.6 million in the first quarter of 2004, compared with \$1.2 million in the first quarter of 2003.

Interest expense increased from \$66,000 for the three months ended March 31, 2003, to \$12.6 million for the three months ended March 31, 2004, due primarily to non-cash interest expense associated with the convertible promissory notes issued in October 2003. In addition, the net loss applicable to common stockholders for the quarter ended March 31, 2004, included a non-cash charge of \$9.0 million related to the valuation of preferred stock at issuance.

At March 31, 2004, Xcyte had cash, cash equivalents and short term investments of \$39.3 million, compared with \$13.5 million at December 31, 2003. The increase reflects net proceeds of approximately \$29.7 million as a result of the Company's initial public offering.

Xcyte Therapies is developing novel therapies that harness the power of the immune system to treat cancer and other serious illnesses. Xcyte derives its therapeutic products from a patient's own T cells, which are cells of the immune system that orchestrate immune responses and can detect and eliminate cancer cells and infected cells in the body. Xcyte uses its patented and proprietary Xcellerate Technology to generate activated T cells, called Xcellerated T Cells, from blood that is collected from the patient. Activated T cells are T cells that have been stimulated to carry out immune functions. The Xcellerate Technology is designed to rapidly activate and expand the number of the patient's T cells outside of the body. These Xcellerated T Cells are then administered to the patient.

Xcyte™, Xcyte Therapies™, Xcellerate™ and Xcellerated T Cells™ are trademarks of Xcyte Therapies, Inc.

**Xcyte Therapies, Inc.**  
**Statements of Operations**  
(Unaudited)  
(In thousands, except shares and per share amounts)

	Three months ended March 31,	
	2004	2003
Revenues	\$ 12	\$ 13
Operating expenses:		
Research and development	4,175	2,699
General and administrative	1,574	1,154
Total operating expenses	5,749	3,853
Loss from operations	(5,737)	(3,840)
Other income (expense):		
Interest income	42	64
Interest expense	(12,589)	(66)
Loss on sale of equipment	—	(1)
Other income (expense), net	(12,547)	(3)
Net loss	(18,284)	(3,843)
Accretion of preferred stock	(8,973)	—
Net loss applicable to common stockholders	\$ (27,257)	\$ (3,843)
Basic and diluted net loss per share	\$ (7.98)	\$ (2.60)
Shares used in computation of basic and diluted net loss per share	3,414,481	1,477,836

**Xcyte Therapies, Inc.**  
**Balance Sheets**  
(Unaudited)  
(In thousands)

	March 31, 2004	December 31, 2003
Cash, cash equivalents and investment securities	\$ 39,319	\$ 13,540
Other current assets	1,921	519
Property and equipment, net	2,916	2,767
Other assets	857	1,672
Total assets	\$ 45,013	\$ 18,498
Current liabilities	\$ 4,671	\$ 14,712
Long-term obligations and other liabilities	1,726	1,555
Redeemable convertible preferred stock and warrants	—	67,071
Stockholders' equity (deficit)	38,616	(64,840)
Total liabilities and stockholders' equity (deficit)	\$ 45,013	\$ 18,498